Top 20 Chemicals with Largest TRI On-site and Off-site Releases, Hazardous Waste/Solvent Recovery (SIC Code 4953/7389), 2000

Number Chemical Emissions Pounds Pound		_	On-site Releases								
Total Air Femissions Pounds Pou					Hadaanaan dhalaatian Oo atta Land Balaa						
Cass Number Chemical Emissions Pounds					Underground Injection				-		Total On and
Number Chemical Emissions Pounds Pound	CAS		Total Air	Curtosa Water		Class II V		Other On site	Total On site		Off-site
Pounds P		Chaminal			Class I Walls						Releases
1344-28-1 Aluminum oxide (fibrous forms)	Number	Chemical		•						•	
- Zinc compounds 6,703 695 311,363 0 22,699,885 214,429 23,233,075 7,038,709 30,27 1332-21-4 Absestos (friable) 284 0 0 0 0 11,314,434 9,251,616 20,566,334 0 20,566,334 1 20,5066,334 1 20,566,344 1 20,571,112 1 20,565,366 1 20,571,112 1 20,565,366 1 20,571,112 1 20,565,366 1 20,571,112 1 20,565,366 1 20,571,112 1 20,565,364 1 20,571,112 1 20,565,364 1 20,571,112 1 20,565,364 1 20,571,112 1 20,565,364 1 20,571,112 1 20,565,364 1 20,571,112 1 20,565,364 1 20,571,112 1 20	4044.00.4	Al									Pounds
1332-21-4 Asbestos (friable) 284 0 0 0 11,314,434 9,251,616 20,566,334 0 20,566	1344-28-1	,	_		·	0		,	, ,		42,620,309
Copper compounds 6,939 397 190,005 0 15,537,092 200,983 15,935,416 2,314,744 18,256 7440-66-6 Zinc (fume or dust) 3,595 0 0 0 0 17,363,956 12,873 17,380,424 2,534 17,383 1.5 Barium compounds 6,979 280 0 0 12,614,169 49,684 12,671,112 3,855,680 16,526 1.5 Lead compounds 8,901 775 250 0 10,137,452 377,958 10,525,336 2,909,512 13,434 1.5 Nitrate compounds 262 14,838 10,100,993 0 177,838 1,238,602 11,532,533 918,044 12,450 Nickel compounds 6,791 1,710 550,250 0 7,817,391 78,613 8,454,755 2,790,553 11,245 Chromium compounds 2,756 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,042 Chromium compounds 2,756 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,042 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,867 Arsenic compounds 913 0 0 0 5,878,343 123,765 6,002,143 1,517 6,003 Arsenic compounds 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,355 Arsenic compounds 913 0 0 0 0 5,208,900 10,601 5,220,414 133,765 5,355 Arsenic compounds 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,775 Manganese compounds 1,744 0 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 Selenium compounds 1,744 0 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 Selenium compounds 1,744 0 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 Selenium compounds 8,719 2,570 54,005 0 691,152 500 756,946 2,664,103 3,411 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046		•	· · · · · · · · · · · · · · · · · · ·		·	0		,		7,038,709	30,271,784
7440-66-6 Zinc (fume or dust) 3,595 0 0 0 0 17,363,956 12,873 17,380,424 2,534 17,382 1-1 Barium compounds 6,979 280 0 0 12,614,169 49,684 12,671,112 3,855,680 16,524 1-1 Lead compounds 8,901 775 250 0 10,137,452 377,958 10,525,336 2,909,512 13,436 1-1 Nitrate compounds 262 14,838 10,100,993 0 177,838 1,238,602 11,532,533 918,044 12,450 1-1 Nickel compounds 6,791 1,710 550,250 0 7,817,391 78,613 8,454,755 2,790,553 11,245 1 T439-92-1 Lead 599 6 57,273 0 9,684,423 67,835 9,810,136 1,265,564 11,075 1 T697-37-2 Nitric acid 27,566 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,045 1 T697-37-2 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,867 1 T439-90-5 Aluminum (fume or dust) 35 0 0 0 0 5,878,343 123,765 6,002,143 1,517 6,003 1 T439-96-5 Manganese 913 0 0 0 0 5,208,900 10,601 5,220,414 133,765 5,355 1 T664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,775 1 Manganese compounds 1,744 0 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 1 T67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,655 13,410 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046 1 Subtotal 109,508 22,481 29,631,103 0 175,691,843 112,460,761 217,915,696 31,130,472 249,	1332-21-4	, ,	_		•	0			, ,	0	20,566,334
Barium compounds 6,979 280 0 0 12,614,169 49,684 12,671,112 3,855,680 16,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,526 1 1,527 1 1,52		• • •			190,005	0				, ,	18,250,160
Lead compounds 8,901 775 250 0 10,137,452 377,958 10,525,336 2,909,512 13,434 Nitrate compounds 262 14,838 10,100,993 0 177,838 1,238,602 11,532,533 918,044 12,450 Nickel compounds 6,791 1,710 550,250 0 7,817,391 78,613 8,454,755 2,790,553 11,245 7439-92-1 Lead 599 6 57,273 0 9,684,423 67,835 9,810,136 1,265,564 11,075 7697-37-2 Nitric acid 2,756 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,042 7697-37-2 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,600 7429-90-5 Aluminum (fume or dust) 35 0 0 0 0 5,878,343 123,765 6,002,143 1,517 6,003 7439-96-5 Manganese 913 0 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,775 Manganese compounds 11,744 0 0 0 3,049,145 1 3,050,890 1,515,496 667-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,344 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,412 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,044 249,044 249,044 30,000 0 175,691,843 12,460,761 217,915,696 31,130,472 249,044 30,000 0 1	7440-66-6	,			0	0		·			17,382,958
Nitrate compounds		Barium compounds	6,979		•	0	12,614,169	49,684	12,671,112	3,855,680	16,526,792
Nickel compounds 6,791 1,710 550,250 0 7,817,391 78,613 8,454,755 2,790,553 11,245 7439-92-1 Lead 599 6 57,273 0 9,684,423 67,835 9,810,136 1,265,564 11,075 Chromium compounds 2,756 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,042 7697-37-2 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,867 7429-90-5 Aluminum (fume or dust) 35 0 0 0 0 5,878,343 123,765 6,002,143 1,517 6,003 7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,775 1,7		Lead compounds	8,901	775	250	0	10,137,452	377,958	10,525,336	2,909,512	13,434,848
7439-92-1 Lead 599 6 57,273 0 9,684,423 67,835 9,810,136 1,265,564 11,075 Chromium compounds 2,756 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,042 7697-37-2 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,867 7429-90-5 Aluminum (fume or dust) 35 0 0 0 5,878,343 123,765 6,002,143 1,517 6,002 7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,779 Mangane		Nitrate compounds	262	14,838	10,100,993	0	177,838	1,238,602	11,532,533	918,044	12,450,577
Chromium compounds 2,756 830 2,000,250 0 3,809,998 174,808 5,988,642 3,053,781 9,042 7697-37-2 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,867 7429-90-5 Aluminum (fume or dust) 35 0 0 0 0 5,878,343 123,765 6,002,143 1,517 7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,779 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,346 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,412 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046		Nickel compounds	6,791	1,710	550,250	0	7,817,391	78,613	8,454,755	2,790,553	11,245,308
7697-37-2 Nitric acid 2,108 0 7,613,956 0 49,846 87,310 7,753,220 108,199 7,867 7429-90-5 Aluminum (fume or dust) 35 0 0 0 5,878,343 123,765 6,002,143 1,517 6,003 7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,779 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 67-56-1 Methanol <td>7439-92-1</td> <td>Lead</td> <td>599</td> <td>6</td> <td>57,273</td> <td>0</td> <td>9,684,423</td> <td>67,835</td> <td>9,810,136</td> <td>1,265,564</td> <td>11,075,700</td>	7439-92-1	Lead	599	6	57,273	0	9,684,423	67,835	9,810,136	1,265,564	11,075,700
7429-90-5 Aluminum (fume or dust) 35 0 0 0 5,878,343 123,765 6,002,143 1,517 6,002 7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,779 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,346 107-21-1 Ethylene glyc		Chromium compounds	2,756	830	2,000,250	0	3,809,998	174,808	5,988,642	3,053,781	9,042,423
7429-90-5 Aluminum (fume or dust) 35 0 0 0 5,878,343 123,765 6,002,143 1,517 6,002,743 7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,779 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,560 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,340 107-21-1 Ethylene	7697-37-2	Nitric acid	2,108	0	7,613,956	0	49,846	87,310	7,753,220	108,199	7,861,419
7439-96-5 Manganese 913 0 0 0 5,208,900 10,601 5,220,414 133,765 5,354 Arsenic compounds 612 5 750 0 3,377,878 23 3,379,268 1,876,202 5,255 7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,779 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,560 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,340 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,412 Subtotal 109,508	7429-90-5	Aluminum (fume or dust)	35	0	0	0	5,878,343	123,765	6,002,143	1,517	6,003,660
7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,775 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,560 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,340 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,411 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046	7439-96-5	,	913	0	0	0	5,208,900	10,601	5,220,414	133,765	5,354,179
7664-39-3 Hydrogen fluoride 922 5 4,700,000 0 29,008 13,166 4,743,101 36,818 4,775 Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,560 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,340 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,411 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046		Arsenic compounds	612	5	750	0	3,377,878	23	3,379,268	1,876,202	5,255,470
Manganese compounds 842 115 39,000 0 4,348,184 68,006 4,456,147 144,359 4,600 Selenium compounds 1,744 0 0 0 0 3,049,145 1 3,050,890 1,515,496 4,560 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,340 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,411 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,040	7664-39-3	Hydrogen fluoride	922	5	4.700.000	0	29.008	13.166		36.818	4,779,919
Selenium compounds 1,744 0 0 0 3,049,145 1 3,050,890 1,515,496 4,566 67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,346 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,417 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046		, ,	842	115	39.000	0	4.348.184	68.006	4.456.147	144.359	4,600,506
67-56-1 Methanol 49,523 255 4,004,559 0 25,190 1,208 4,080,735 265,650 4,346 107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,417 Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046			1.744		·	0		1		,	4,566,386
107-21-1 Ethylene glycol 8,719 2,570 54,005 0 691,152 500 756,946 2,654,103 3,412	67-56-1	·	· · · · · · · · · · · · · · · · · · ·	255	4.004.559	0		1.208			4,346,385
Subtotal 109,508 22,481 29,631,103 0 175,691,843 12,460,761 217,915,696 31,130,472 249,046					, ,	0	,		, ,	,	3,411,049
					,	Ö	,		· · · · · · · · · · · · · · · · · · ·	, ,	249,046,167
10731" 948.196 45.763 33.903.476 0.194.611.003 12.922.792 242.431.2301 42.519.3591 284.950		Total*	948,196	45,763	33,903,476		194,611,003	12,922,792	242,431,230	42,519,359	284,950,589

Note: On-site Releases are from Section 5 of Form R. Off-site Releases are from Section 6 (transfers off-site to disposal) of Form R. Off-site Releases include metals and metal compounds transferred off-site for solidification/stabilization and for wastewater treatment, including to POTWs. Off-site Releases do not include transfers to disposal sent to other TRI Facilities that reported the amount as an on-site release.

^{*} Total for Hazardous Waste/Solvent Recovery (SIC Code 4953/7389)